ANNUAL REPORT. Of the Silver King Mining Co. SUPERINTENDENT'S REPORT

SILVER KING, ARIZONA, January 1st, 1888. To the President and Directors of the Silver King Mining Company.

GENTLEMEN: The bonor of presenting to you an annual report of operations at condition of your property, and its pros-

The mining operations have been car- pal silver constituents. ried on without a single day's interruption, and the amount of necessary 'dead works' performed in driving tunnels and the last of the ore from the east side of jective point towards the end of the sinking winzes, has been greater than at the top of the 600 level during the year any previous time in the history of the past, we have followed a number of rich

During the summer a cross-cut tunnel level, to discover and prospect the ore body which evidently existed at that level, and which had been located by surveys. The ore body was encountered about twelve feet from the old drift, the tunnel traversing the north side of it a distance of sixty feet through a barytois ninety-eight feet, it having been run some twenty-six feet into the country rock to determine the non-existence of ious points in the progress of the tunnel, sorted ore, gave an average value of 38.38 ozs. silver per ton. A selected sample which contained mostly fahlore, face, or to the bottom of the old "open extraction of this ore, the present openings at the 110 level will be abando and the sill floor of a new level established which will be known as the 143 level.

The 250 level has been actively worked the greater portion of the year, producing the baryto-quarizose ore which mearly in the center, and lying at an angle of about 45 degrees with the plane of the sill floor. It pitched towards the thousand, four hundred and sixty-nine of the sill floor. The workings at the main shaft, the combined drainage treatment of concentration. The year's copper sulphate did not materially assist the main shaft, the combined drainage treatment of concentration. The year's production from this treatment consisted amalgamation, so that chemicals were raised at that point. The workings at of 1261.55 tons of second class or low ed volume. The stope was raised at the north end of the level to the top of the of the nine with Shaft No. 2 (bilk shaft) ried nearly all of its silver in a chemically form has been of infrequent occurrence operations in that part of the mine. The thus far. Fahlore and galena are the engine is run by compressed air.

When the before mentioned connections of the new with the before mentioned connections. one hundred and ninety three feet in to be shortly remodelled. height, which will take some three years In conformity with m or more to exhaust with our twenty-

that material in an old drift which circled ment four feet by two feet, the latter to the mine tanks below, was 2,750,000 fications as existing circumstances de- line therefore, now commands all the around and beyond the old porphyritic provided with a four-inch Cornish lift- gallons. There were fifteen and a half ore body on its north side, and lying in conformity with the axis of the upper the hoisting engine. The old tunnel at levels. It is proposed to explore this the 160 level of the shatt was enlarged, ground during the year.

the 600 level was vigorously operated for Shaft No. 3 about the close of the

racted was 171,112 cubic feet. of the present and projected workings. The 700 level having been exhausted from the 800 level to the surface, will some two years ago, excepting a small

been most energetically operated. The driven, and two hundred and fourteen sill floor was extended on the west side feet of winzes sunk, with an incline raise gave an assay value of 447.40 ozs. silver about twenty feet, and the north breast of one hundred and forty-eight feet, per ton. The general showing of the was extended ten feet, the full width of The total amount of ore sent to ere body as exposed in the tunnel, is the level. The present extreme dimenfully as satisfactory as is usually dis- sions are sixty-five feet by one hundred which 26,594 tons went to Mill No. 1, closed by such workings in the mine, and lifteen feet. A prospect tunnel was and 4,596 tons went to Mill No. 2. and its length is probably at least as great as its width was found to be at the end prospected. This ground stands in that and should reach nearly to the tact and should reach nearly to the sur- row seams of ore that assayed 50 ozs. rock, needed for filling all open space in pit," which is about thirty feet below the nel is entirely in posphyry ground, and ore chutes and ladder-ways, to maintain level of the collar of the shaft. In the has been left for future development, the security of the mine. One hundred and operated through shaft No. 3 (North which carried some little mineral, but tons of ore were also obtained from the silver, and 46.05 per cent, as combined permit an accumulation of the material not of an encouraging character. An in-cline winze has been run from the center of the north breast of the sixth floor of the level, to the north end of the old has been treated by the special reast-chlorination and emalgamation method of our mill No. 2. During the winter and spring months the ore was unusually high ingrade, and fifty per cens. of it contained silver was in native form. In the month of July while extending the slope on the second floor, a mass of very low grade and at times barren material.

third floor, where the wedge shaped ore was accomplished during the spring and body had nearly reached its apex. This summer, by sinking a continuation of principally barren mass which had out off | the main vertical winze of the 800 level | the water raised for year's follows: the ore to the north, was largely com-posed of porphyry, and a careful study feet below the sill floor of that level, and of it satisfied me that it was somewhat meeting the main drift from the 950 of the nature of a dike, my belief being level of Shaft No. 2. The winze is confirmed at a later period, when its therefore two hundred and sixty-six feet mader side had been exposed the full deep below the 700 level and is timbered width of the level, and its upper side had throughout, the portion sunk the past been determined by raising through it year being in two compartments, each (from a point where it passed into and three feet square in the clear-one below the sill floor) to a new ore body ou | a hoist way, and the other a laiderway to the south end of the third floor, much offer an additional exit from the mine, and the same in general character as was to carry a water pipe to convey the found on the under side of the dike, drainage from the main workings to with the exception that the ore extracted Shaft No. 2, at which point all the water and milled, or exposed to date, has car- of the mine will be collected and handled by the Cornish pump mentioned in my combined form in the various sulphurets, last report. On the sill floor of the 800 and has also proved more cupriferous. level, at the west side of the winze, a Assays made of samples of several pounds station was excavated and timbered, and in weight taken from the extreme south a new 6"x12" single drum-geared hoist- will be controlled this new ground, and near the foot wall, gave from 52.50. ozs. silver Works, S. F., was placed in position to The additional transfer of the controlled to the controll por ton, and from 6.75. per cent. to assist in sinking the winze, and furnish 14 per cent. of copper. Silver in native power in the future for a variety of

ground, and its development has been tion was made in early June, the ventiaufficient to expose to view a body of ore lation of the mine was completely chang-of considerable homogenity, 95 feet its ed and is now highly satisfactory, remegreatest length, and with a probable ex-treme width of about 85 feet, which is the barrassment during the warm months known distance between the east and the for several years past. Shaft No. 2 is dimension has been actually exposed to the drainage of our main workings was view. The work during the year has diverted to this shaft, and has since been been confined to the sill, second, third handled through it, thus relieving the and fourth floors, and 78,159 cubic feet main (King) shaft, already over-crowded of ground were extracted. The dike with work, of a considerable duty. The which was encountered was the first main drift at the 950 level of Shaft No. obstacle of its kind ever met with in the 2 is three hundred and forty feet long, mine, and the new developments have and during the year the station was presented a most promising looking ore retimbered, the drift straightened, graddy, which, when taken together with ed for proper drainage to the shaft, timthe column of ore of similar character bered where weak ground existed and a

In conformity with my purpose suggested in my last report, of providing a saving, means of operating the large ore body. The stamp dry crushing mill. • means of operating the large ore body

The only work executed on the 390 lying above the sill floor of the 250 level during the year, was the re-timber- level, independently of the main shaft, character as that of the levels above, as station has been constructed at the south and 95 cords at Shaft No. 2.

The year having been an experiment of the levels above, as station has been constructed at the south and 95 cords at Shaft No. 2.

The year having been an experiment of the levels above, as station has been constructed at the south and 95 cords at Shaft No. 2. must necessarily exist, to a more or less extent, in the upper part of this level. The level is now in condition to be made a producer.

The 350 level was supposed to be exhausted some years ago, and has existed as an abandoned level since, but we have evidence that the same baryto-quartzose or body of the levels above resolves.

The shaft. A trammal average. In the spring, the manual average. In the spring, the manual average. In the spring, the manual average. In the spring, the way has been constructed from the length was here condition, and a high per centrage of extraction has been resulting bullion of the drift, of the drift, of the fairly for two faces of planks that the same baryto-quartzose of the levels above resolves.

The shaft is constructed over the shaft. A trammal average. In the spring, the way has been constructed from the length was here condition, and a high per centrage of extraction has been resulting bullion of the with a resulting bullion of at the expense of fuel, until it could be replaced. A new 7"x4"x10" Gordon and say an abandoned level since, but we have seven the same baryto-quartzose of the levels and a new 8"x12" single drum and it was necessary to run it four feet surgers of fuel, until it could be replaced. A new 7"x4"x10" Gordon and say an abandoned level since, but we have seven the same baryto-quartzose of the original stricted from the landing in a native condition, and a high per cent. Of the silver in a native condition, and a high the string of extraction has been resulting bullion of the drift, of the

the 160 level of the shatt was enlarged, springs to suspend pumping. One nun-timbered where necessary, and provided dred and eighty-nine cords of wood were There has been no work done on the with a track for a distance of ninety-400 level during the year, but on the eight feet from the shaft, and at the lata year ago, some ore supposed to be lim- to run direct to a located point which will your mine and mills in Arizona has again ited in extent was left in place on the be the top of the gir winze of the 250 fallen to me, and I herewith transmit to you a summary of the work performed in the extraction of ore and its trustment at an all the summary of the work performed in the extraction of ore and its trustment at an all the summary of the work performed in the summary of the summary of the work performed in t the mills; the improvements made and mal 400 level sill which was abandoned A projected upraise of twenty-four feet, now in course of establishment, with the some years ago with the belief that it was in ore, will connect with the cross-cut increased facilities acquired, the general exhausted. The ore in question is por- driven last summer on the 119 level. phyritic and is high grade, with native The cross-cut tunnel now being driven silver, galena and fahiore as the princi- will have a total length of about two hundred and twenty-four feet, and is now present month. From the extreme northmentioned as being on the aill of the direct to Shaft No. 3. and is now comwas run from the old drift on the 119 400 level, that are running up outside pleted for a distance of one hundred and level, to discover and prospect the ore the east limit of the sill floor of the 500 thirty-one feet, its total length to be level, as it was left. This ore will be two hundred and seventy feet. As the of the creek bottom. The water from removed the coming year. removed the coming year.

During the first half of the past year, week, it should make connection with the extraction of the remaining ore on ent month, and on the completion of the the eighth, ninth, tenth and eleventh two latter tunnels, the entire ore body

illustrate the operations mentioned. any mineral bearing ground beyond the block of ground in close proximity to the quartz. Assays of pieces of ore taken at shaft, which the security of the shaft remained untrandom from the broken material a varquired to be left intact, has remained untrandom the ore body, there have been four hundisturbed since that time.

The 800 level has furnished the chief supply of ore during the year, and has hundred and sixty feet of new tunneling reperture.

The supply of ore during the year, and has hundred and sixty feet of new tunneling settlers, and sufficient power being at eight hours, or by adding a larger per-

> The total amount of ore sent to the mills during the year was 31,190 tons, of

allyer per ton and upwards. This tun- the stopes of the levels not occupied by Another prospect tunnel was run from and thirty-three tons were lowered to of lead. The concentrations produced 800. As the production of second-class the northwest corner of the sill floor in a westerly direction, a distance of eighty five feet, and crossed a body of quartz 1,362 tons, or 1,703 car loads. Thirteen 53.95 per cent, was in the form of native suspended this treatment Nov. 1st, to

was encountered, running across the level to the sixth floor, the present work be- workings being connected with those of vanners, where they undergo a second per ton. It was found that the use of hanging wall as the stope raised, and crowded the ore body into a wedge shared volume. The stope was raised at the

Shaft No. 3 were kept clear part of the grade concentrations, of an average value of 31.77 ozs. silver per ton or a total and the time of pan treatment was recompressed air, but since the new hoistvalue of of 40090.43 ozs. silver, which has been controlled by the small Cornish erous zine blende and galena, the former was 27, 350.49 ozs fine silver, the bullion pump before mentioned. I summarize

> Main Shaft (No. 1) Jan. 1st Feb. 9th to March 6th . . 816,300 Shaft No. 3-For the year 154,000

On making the connection between the sill floor of the 250 level and Shafe No. 3, the water in the latter will be piped and also led to Shaft No. 2, where

plant and machinery not already mentioned, were the transfer of a 12"x18"

(both single and double deck), and iron factured articles provides a margin for

consumed, and there are one hundred develop the new ore found in the mine, and thirty-six cords on hand to begin the | which has opened up so favorably, and

The following improvements were instituted at the mills at Pinal. A strong and pump it back to be again used. through the creek gravel at a point about three hundred and fifty yards below the mills, with proper protection at the top lead bars (the product from the re-or collar from damage by freshets, and a duction of rich cupel lithage some years located just above a rock reef that comes nearly to the surface forming a submerged dam, and is in the deepest depression the tanks at the mills, and gives us a further increased supply over former years. A new 10"x6"x10" Gordon and Maxwell duplex plunge pump has been added to handle the natural water flow of quartesse material similar in character to that of the level below, and exhibiting a mineral constituency of galena, zinc blende, fablure, native silver and chalcopyrite. The total length of the tunnel to ninety-eight feet, it having been run tend and covering the material similar in character to floors, but the work was temporarily sustance of sixty feet through a small dead to be added to handle the natural water flow of the surface may be operated through a small pended before the extraction had been the surface may be operated through a small quantity of the surface may be operated through a small quantity of the surface may be operated through a small water flow of the natural water flow of Queen Creek. The first few months' set of Cornish rolls and screened, the work on the 250 level of the mine, gave main shaft to operate the deep workings. The total length of the tunnel to the natural water flow of the surface may be operated through a small quantity of the surface may be operated through a small work on the 250 level to handle the natural water flow of Queen Creek. The first few months' set of Cornish rolls and screened, the work was temporarily sustance that the delevel below, and exhibiting a pended before the extraction had been to the surface may be operated through a small quantity of the surface may be operated through a small quantity of the surface may be operated through a small quantity of the surface may be operated through a small quantity of the surface may be operated through a small quantity of the surface may be operated through a small quantity of the surface may be operated through a small quantity of the surface may be operated through a small quantity of the surface may be operated through a small quantity of the surface may be operated through a small quantity of the surface may be operated through a small quantity of the surface may be operated to handle the natural water flow of the surface may be operated to handle the natural water flow of the surface may be operated to handle body in the upper levels were so very ter of the ore under the roast chlorina-

ing engine has been in service, the water exists in a combined form in argentif- and two and a half hours. The product

mineral largely predominating.

The silver contained in the tailings or waste material from the operation, represents the loss in the entire mill treatshowing an extraction of 62½ per cent. ment. The difference between the total Summarizing, the total amount of ore value of the original ore fed into the treated in Mill No. 2 was 10,628.80 tons, mill, and the value of the sum of the wite a production of 214,182.82 ozs fine two products as concentrations, shows silver. an actual working loss of 1.73 ozs. silver
per ton of the original ore, or 8.20 per
cent of its average value per ton. The
were for steam. There are now 654 second-class concentrations are dried, and sent to Mill No. 2 for further treat-

continuously throughout the year, treating first class ore (from the 250 level), Chalmers of Chicago, Ill., of 175 H. P., No. 1,) and white "tailings" (from the for it is now in progress. It is expected heaps of several thousand tons set aside that it will be in operation about the the entire drainage of all the workings for future treatment several years ago), middle of February, when the use of will be controlled by the Cornish pump-ing system.

At the beginning of the year there were four high pressure non-condensing en-ing system.

At the beginning of the year there were four high pressure non-condensing en-The additions and improvements to the last of the life tensor of the l class ore, having and average value of 250 level ore by lixiviation, two leaching Prescott, Scott & Co. straight line air 32.47 ounces of silver per ton, roasted compressor from Shaft No. 2 to the main pulp. For the first five months the ore shaft, for use at such times as the work was of high average grade, with a high about fifty tons of ore have been leached for power drills in the mine may be light, percentage of native silver as shown by --much of it being the most highly cuthus saving the extra expense in running the chlorination assays, which gave as priferous ore to be obtained. The optic dependence of a verage of 66.60 per cent. chlorination. small draughting room, and pay office. The time required for a satisfactory eral method of treatment twelve feet by sixteen feet in dimensions, roast chlorination was eight hours on a Considering the large ore body now exand the removal of the water tanks to a charge of three tons, with a consumption posed on the 119 and 250 levels, and its west walls. Forty-five feet of the latter now the down-cast airway. On June 19th higher elevation, and construction of a of 21 to 3 per cent. of salt. Successful general character, I have felt justified in building fourteen feet by thirty-two feet pan treatment required but from two to over them. A7"x1"x10" Gordon and Max- two and a half hours. In June and July resetting the old lixiviating plant, and well duplex plunge pump was placed in the grade of the ore fell to a low average the engine house at the main shaft for a better boiler feed and fire service. value, due to breaking into the dike- like formation on the 250 level in the Towards the close of the present month. The operation of the machine shop has mine before its character was establish. I shall hope to have over half the plant been very satisfactory, and considerable manufacturing has been done from our own designs, with a marked economy, including cars of all kinds, hoisting cages it, brought to the mill a mixture of m- output of fine silver than at any tim proved average grade, some of it coming exposed during the summer on the 119 track laid for three hundred and five tanks, as well as machine, engine and from the cleaning up of the old ground, be in operation on the different classes of level, offers an ore body of approximately feet of its length, leaving thirty-five feet other repairs. The difference in ireight and some of it from the new. With this material we have at hand, and any notatariffs between raw materials and main- material an average chlorination assay of able variation in the character of the ore actured articles provides a margin for aving.

86.25 per cent. was obtained showing a in the upper levels, will suggest the decrease in the proportion of native silmode of procedure. As we have on ver, and a four hours roast with from 1 hand in the old lixiviating plant, sufficient was 3,628 cords of wood (3,249 cords at to 11 per cent of salt, and one and a material with which to construct about the main shaft and 279 cords at Shaft half to two hours pan time, resulted in a seven-tenths of the new plant, the cost ing of the shaft station, and the sinking by making the requisite connections with of an air winze from the sill floor of the Shaft No. 3 (North King), this shaft has ing engine at Shaft No. 3 from the boil-there was a change in the form in which Our water works, about the 250 level, through the ore body, which been substantially retimbered for twenty- ers at the main works. There are now the silver existed in the ore, or rather in from Pinal, were further improved durlatter appears to be of the same general three feet below its collar, a landing on hand 571 cords at the main shaft, the proportions, it also became very cu- ing the year. A new timbered well was priferous, and the greater portion of the sunk to the bed rock, and timbered The year having been an exceptionally bullion produced during the last four drifts run along the bottom each way can exhibit. It would seem, however, lar and six and one-half feet above the dry one, the duty at the pumping station months was very low in fineness, due to from the well, at right angles to the as if the same high grade ore found in a established surface grade of the general in the adjacent valley two miles from copper. Heretofore, the ore treated in course of the creek, abutting the rock portion of the sill floor of the 250 level, works, and a substantial gallows frame the mine, has not been quite up to the Mill No. 2 from the various levels of the formation on each side of the canyon. must necessarily exist, to a more or less has been erected over the shaft. A tramextent, in the upper part of this level. way has been constructed from the landcameron pump with which the station in a native condition, and a high per and highly of the drift, of two faces of

mand. I therefore ceased the treatment | water to be obtained. for a new method, and also to further provide the new means for operating it through shaft No. 3. The 4840.04 ton treated, produced 150,295.90 ozs. fine is Queen Creek about 200 yards below per cent, of the silver centents, as based The average working loss was 1.70 ozs. A timbered well was sunk 1.62 pounds per ton. When the fineness of the bullion fell to a low figure, a portion of an old lot of argentiferous my accompanying statement. In the treatment of second class con-

1051.30 tons were the Vanner concen-centrationsfrom Mill No. 1, and 862.21 tons were old "sluice concentrates," the last of that material on hand. After drying the mixture of the two classes of material, it was passed through a small set of Cornish rolls and screened, the is as flattering as it has been in the past. here to the amount of 31 per cent. The of about three tons, the average time of favorable, that during the late spring ten | roast being eight hours. The pan treatatamps were added to Mill No 2 (making ment occupied from three and a half to twenty stamps in all), the docile charge- five and a half hours. Frequent trials proved that nothing was gained towards settlers, and sufficient power being at eight hours, or by adding a larger per-our disposal. The average of the The total amount of ore treated dur- chlorination assays obtained was 411 per ing the year at Mill No. I by wet crushing and concentration, was 26981 tons, the year opening with 446 tons as a reserve on the mill yard. The average ing loss of 8.19 ozs silver per ton, and an value of the ore was 21.08 ozs. silver extraction of 60.26 per cent of the silver per ton. The first product consisted of contents. The ore would be classified tifty-one shipments of high grade con- as rebellious, and carries a large percentrations averaging 11.335 tons each, centage of zinc blende, it being the 577.813 tons. The chief argentiferous element present. average value of the concentrations was 834.135 ozs. ailver per ton, and they contained also an average of 31 per cent. the average fineness of the bullion was

There are now on hand 210 tons, steam fuel at the mills, a vertical com-Mill No. 2 has been in operation pretty | pound condensing engine has recently ond-class concentrations (from Mili | and the work of preparing the foundation

arranging for such additional appliances, heretofore. The entire milling plant will

Our water works, about three miles ore body of the levels above reaches compartment four feet square in the down into this level, by an exposure of clear, and a pump and ladder comparts the reservoir on the "divide," and drawn itself as most applicable, with such modi-

The obstacle en o intered on the 250 so seriously affected our production from Mill No. 2, and a consequent cessation of dividends in anticipation of the heavy expenses of improvement. The obstruction has been surmounted and preparations have been made with all speed bullion, showing an extraction of 96.39 to again resume the attack on the large ore body in sight above the 300 level. Mill No. 2, to retain the water that flows on the value of the roasted pulp, and in and its most judicious mill treatment, to waste from the mills, allow it to settle, weight, as given in the foregoing figure. The close of the present month will find the conditions underground suitable for provided with flush gates, through which silver per ton, of ore treated, and the beginning the vigorous extraction of the the accumulation of tailings may be dis- average consumption of quicksilver was ore. The 800 level, now being strongly operated, has the 8th, 9th, 10th, and 11th floors intact, as well as the greater portion of the 7th floor. The ground between it and the level of the lower tunnel jective point towards the end of the present month. From the extreme northeast corner of the sill floor of the 250 from this source through the filtration in silver run in. The recasting gave a our main shaft, will shortly be developseams of the same material as I have level, a tunnel was recently started to the sand and gravel above. The well is shipment of fifty-six lead bars, noted in ed by the usual cross-out tunnel. In all probability, the effort will be made to work this ground as a single level about centrates in Mill No. 2, there were centrates in Mill No. 2, there were one hundred and sixty feet high, (the worked a total of 1913.51 tons, of which 800 level being actually 816 feet.)

With the large amount of ore now in sight, the incressed and improved milling facilities, and the improvements made and in progress for increased water sup-The stock on hand of supplies of all kinds and of timber is good, and the ore reserves on the mill yards are respect-ively 58 tons for Mill No. 1, and 146 tons

for Mill No. 2. I present to you herewith a summary classification of mine and mill accounts, and tabulated statements of concentration and bullion shipments, and beg to make my acknowldgement of the earnest support given me in executing the year's work, and in meeting and surmounting some of the difficulties which have confronted me, by Messrs. Randolph Adams. (Asst. Supt.), Robert Bowen (Mine Foreman), Eugene Heefer (Mill Fore-mau), E. N. Nan Cortlandt, (Asst. Mill Foreman), Arthur L. Walker, (Engineer), Geo. F Smith (Chief Engineer at Geo. F. Labram (Chief Engineer at Mills), and Kenneth MacKenzie. W. W. Benson, and W. C. Truman, in their respective departments.

I also desire to express my appreciation of the aid and assurances always so kindly extended to me by the officers of the Company. Very respectfully submitted,

ARTHUR MACY Superintendent.

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U-S. LAND OFFICE Tucson, Arizona, Feb. 29, 1888. Notice is hereby given that Lucien Swingle of Dudleyville, Arizona, has filed notice of in-tention to make proof on his desert land claim No. 431, for the N. E. ½ of N. E. ½ section 7, T. 6, S. R. 16 E. before the clerk of the U. T. 6, S. K. 10 E. before the clerk of the U. District Court at Florence, Arizona on Wednesday, the 18th day of April, 1888.

He names the following witnesses to prove the complete irrigation and reclamation of said land: Charles O. Dell, Oliver Swingle, Peter Young, Henry Schoschusen, all of Deallewille Arizona. Dudleyville, Arizona.

A. D. DUFF, Register.

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H. N. ALEXANDER. ATTORNEY AND COUNCELOR AT LAW, Irvine Building, Phenix, Arigons, H. V. JACKSON.

ATTORNEY AT LAW.

Will practice in all Courts in the Territory.

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Watches Clocks and Jewelry repair-Orders left at the Florence Hotel, or sent by Mail or Express will be promptly attended to.

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-all kinds of-Choice Fresh Meats.

CASH STORE.

Keeps a Full Assortment of

General Merchandise. DRUGS an NOTIONS. To Strictly a Cach Business.
J. N. DENIER, Prop.

> JOHN A. B'ACK, - Dealer in -

WATCHES, DIAMONDS, JEWELRY,



Corner Congress and Meyer Streets, Tucson. WATCH REPAIRING A SPECIALTY.

TEXAS AND CALIFORNIA STAGE CO. DAILY LINE OF STAGES, Between Casa Grande and Florence, Carrying U. S. Mail and Wells, Fargo & Co's., ---Express.---

Leaves Casa Grande, - - - 2 a. m. " Florence, - - - 1 p. m. Connecting at Florence with GLOBE and FLORENCE STAGE LINE. Leaves Florence Daily at 2 p. m., for

RIVERSIDE, DRIPPING SPRINGS, PI-ONEER and GLOBE. - Connects at-

RIVERSIDE with Boone & Son's line for BENSON. J. C. LOSS, Agt. Casa Grande. W. E. GUILD, Agt. Florence.

W. M. NEAL'S LINE, Connects at MAMMOTH with the Boune Stage from Riverside, for AMERICAN FLAG, ORACLE and TUCSON. Leaves Mammoth Tuesday's Thursday's and

Saturday's, returning alternate days.